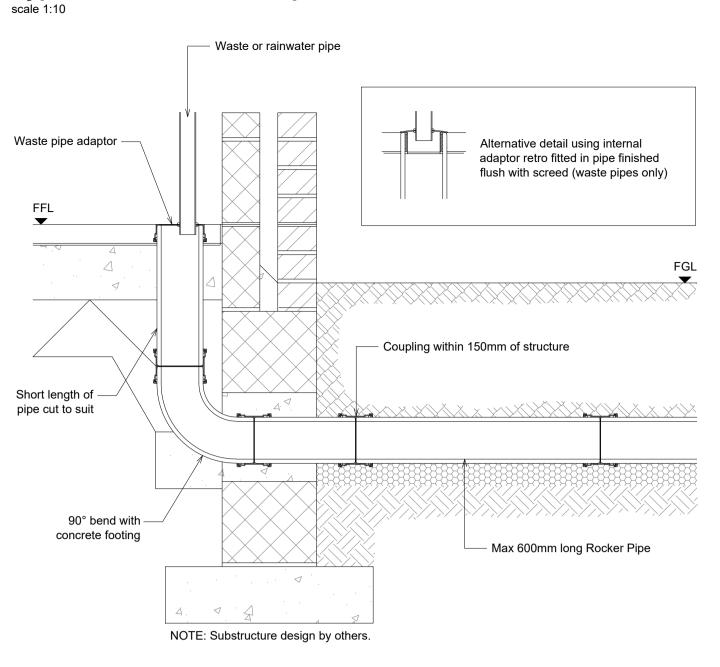
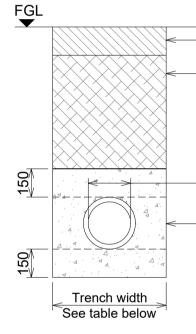
Typical Internal Waste Pipe Connection Detail



Pipe Bedding - Class Z

Areas subject to vehicle loadings. Less than 1.2m cover to pipe.



As construction specification Selected backfill material, no stones over 40mm, no lumps of clay over 100mm, no organic or frozen material.

For pipe diameter see schedule

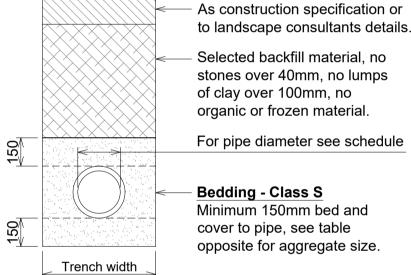
Bedding - Class Z Minimum 150mm bed and surround of grade ST4 concrete to pipe with Flexcell board or similar approved joints every 1.8m

Pipe Bedding - Class S Areas not subject to vehicle loadings.

Use in private gardens, landscaped areas etc. FGL ▼

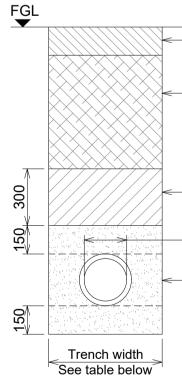


See table below



Pipe Bedding - Class S

Areas subject to vehicle loadings. Greater than 1.2m cover to pipe.



As construction specification Selected backfill material, no stones over 40mm, no lumps of clay over 100mm, no organic or frozen material. 300mm class 8 lower trench fill material to clause 503.3iv For pipe diameter see schedule

Bedding - Class S Minimum 150mm bed and cover to pipe, see table opposite for aggregate size.

| PIPE BEDDING MATERIAL - CLASS S | | | | |
|---------------------------------|--|--|--|--|
| Pipe Ø (mm) | Suitable Materials: (Aggregate to BS 882) | | | |
| 100 | 10mm nominal single sized aggregate | | | |
| 150 | 10 to 14mm nominal single sized aggregate | | | |
| 225 to 525 | 10 to 14mm or 20mm nominal single sized aggregate | | | |
| Over 525 | 10, 14 ,20 or 40mm nominal single sized crushed rock | | | |

| Trench dth (mm) | | |
|--------------------|--|--|
| 450 | | |
| 450 | | |
| 600 | | |
| 600 | | |
| 750 | | |
| 750 | | |
| 900 | | |
| 900 | | |
| 1200 | | |
| 1350 | | |
| 1500 | | |
| | | |

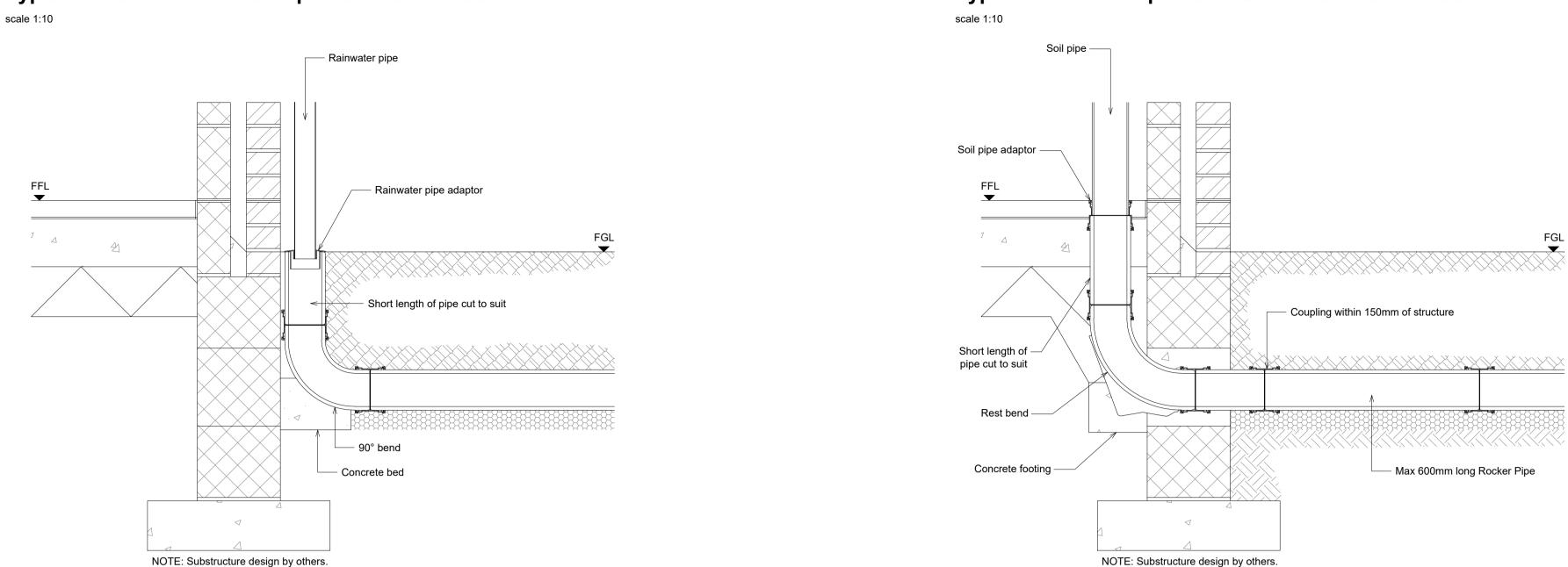
Pipe surround material shall where required, be placed and compacted over the full width of the trench in layers not exceeding 150mm before compaction, to a finished thickness of 300mm above the crown of the pipe.

Where excavations have been supported and the supports are removed they shall be withdrawn progressively as backfilling proceeds in a manner that minimises the danger of collapse, all voids formed behind the supports are to be carefully filled and compacted.

Pipe jointing surfaces and components shall be kept clean and free from extraneous matter until the joints have been made or assembled, care should be taken to ensure that there is no ingress of grout or other material into the joint after the joint has been made.

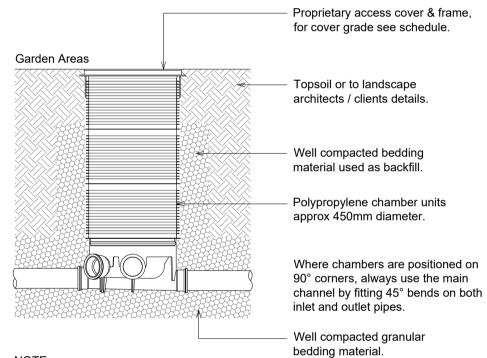
Pipes should be cut in accordance with the manufacturers recommendations to provide a clean square profile without splitting or fracturing the pipe wall and to ensure minimal damage to any protective coatings, where necessary, the cut ends of pipes shall be formed to the tapers and chamfers suitable for the type of joint to be used.

Typical External Rainwater Pipe Connection Detail



Polypropylene Inspection Chamber (PPIC) Use on private drainage works only

scale 1:20



NOTE: Maximum diameter of main channel 150/160mm Maximum pipe diameter of inlets 100/110mm

Unused inlets are to be sealed and made watertight.

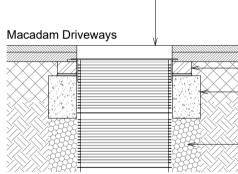
Backfill to be well compacted around shaft of chamber.

No incoming branch is to be less than 90° from the outgoing direction of flow, all pipes entering the bottom of the manhole are to have level soffits.

Alternate Access Cover Details (PPIC) Use on private drainage works only

scale 1:20

| Flag Paved Areas | V |
|------------------|---|
| | |
| | |
| | |
| | |



ex x x

Block Paved Drivewavs

material used as backfill. Solid or recessed access cover and frame with infill to suit chosen

Well compacted bedding

 Concrete collar to support access cover and frame.

Well compacted bedding

material used as backfill.

grade see schedule.

- Engineering brickwork

| For cover grade see sched |
|---|
| Engineering brickwork |
| 225mm thick concrete colla access cover and frame in cover will be subject to veh |
| Well compacted bedding material used as backfill. |

Shallow Inspection Chamber (SIC) Use on private drainage works only

Garden Areas

scale 1:20

Proprietary access cover and frame, for cover grade see schedule.

Topsoil or to landscape architects / clients details.

Well compacted bedding material used as backfill.

Well compacted granular bedding material.

Polypropylene chamber units approx 300mm diameter.

NOTE: Where chambers are positioned on 90° corners, always use the main channel by fitting 45° bends on both inlet and outlet pipes.

Maximum diameter of main channel 150/160mm Maximum pipe diameter of inlets 100/110mm

Unused inlets are to be sealed and made watertight.

Backfill to be well compacted around shaft of chamber.

No incoming branch is to be less than 90° from the outgoing direction of flow.

Typical Soil Vent Pipe / Stub Stack Connection Detail

Solid or recessed access cover and frame with infill to suit chosen surface finishes (client to confirm). For cover grade see schedule.

Access cover & frame suitable for vehicle loading, for cover

225mm thick concrete collar to support access cover and frame in all areas where cover will be subject to vehicle loading.

surface finishes (client to confirm). edule.

> llar to support all areas where ehicle loading.

DRAINAGE NOTES

- The location of any existing drains and sewers are to be accurately located and reported
- prior to any work commencing on site. • All materials, workmanship and construction to be in accordance with the requirements of
- 'Sewers for Adoption 7th Edition' and published addendum and corrigendum. Channel drains shown are only to collect surface water run-off from hard paved areas and
- door thresholds and are not intended to collect groundwater or run-off from gardens and landscaped areas. • All abandoned pipework to be completely removed or grout filled unless stated otherwise.

NOTES

- The Contractor should check all dimensions on site.
- It is the Contractors responsibility to ensure compliance with building regulations and current codes of practice. • Drawings cannot take into account any drains or underground works not locatable by visual
- survey of the site. • Commencement of any building works prior to full building regulation approval is entirely at the clients risk.

| A First issue to client | | | 08/01/2 | 2024 |
|--------------------------------------|--|---------------------|---|------|
| Rev | ev Description | | | |
| betwo Kent CLIEN ATS | bosed residential development on land een 61 & 77 Station Road, Walmer, Deal, CT14 7RE τ Homes | Studio 23, Trida: | K Business Park, Honeywoo , Dover, Kent, CT16 3QX Tel: 01304 820777 | |
| Prop | osed Drainage Details | As Noted | 05/01/2024 | A1 |
| - STATI | PRELIMINARY T-2023-146-05 | | 23-146-05 | A |
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